

IN THE CLAIMS

The text of all claims under examination is submitted, and the status of each is identified. This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (currently amended): A paper sizing composition which comprises an aqueous emulsion of an alkenyl succinic anhydride-ASA wherein the ASA alkenyl succinic anhydride incorporates a maximum of 1% by weight of polymeric residues.
2. (currently amended): A composition as claimed in claim 1 wherein the ASA alkenyl succinic anhydride incorporates a maximum of 0.5% by weight of polymeric residues.
3. (currently amended): A composition as claimed in claim 1 wherein the ASA alkenyl succinic anhydride contains less than 5% by weight of olefins.
4. (currently amended): A composition as claimed in claim 3 wherein the ASA alkenyl succinic anhydride incorporates less than 0.5% by weight of olefins.
5. (currently amended): A method of producing a sized paper or board by adding to the wet-end or by size press wherein the a sizing agent is an ASA alkenyl succinic anhydride incorporating a maximum of 1% by weight of polymeric residues.
6. (currently amended): A method as claimed in claim 5 wherein the ASA alkenyl succinic anhydride incorporates a maximum of 0.5% by weight of polymeric residues.
7. (currently amended): A method as claimed in claim 5 wherein the ASA alkenyl succinic anhydride contains less than 5% by weight of olefins.
8. (currently amended): A method as claimed in claim 7 wherein the ASA alkenyl succinic anhydride incorporates less than 0.5% by weight of olefins.
9. (currently amended): A method as claimed in claim 5 wherein the sizing agent is ~~provided by a paper sizing composition as claimed in claim 1~~ which comprises an aqueous emulsion of alkenyl

succinic anhydride wherein the alkenyl succinic anhydride incorporates a maximum of 1% by weight of polymeric residues.

10. (previously presented): Sized paper or board produced by the method of claim 5.

11. (original): Sized paper or board as claimed in claim 10 provided on both surfaces thereof with a barrier coating of a food grade material.

12. (original): A method of producing a carton comprising sterilising paper or sized board as claimed in claim 10 with hot hydrogen peroxide and converting the sterilised paper or board to a carton.